



Godet Rolls



Components in production process of synthetic filaments
Godet rolls – singlezone induction heated – (STS or RTS)



Characteristics

- Singlezone induction heated
- Stationary (STS) or rotating (RTS) temperature transmission system
- PT100 temperature sensor (thermocouple optional) with monitoring sensor (for overtemperature protection)
- Diverse surface materials available (chrome, ceramic or others)
- Diverse surface finishes available (to give optimum frictional properties)
- Thermoblocker (bearings outside the hot part of the roll)
- Non-heated versions available

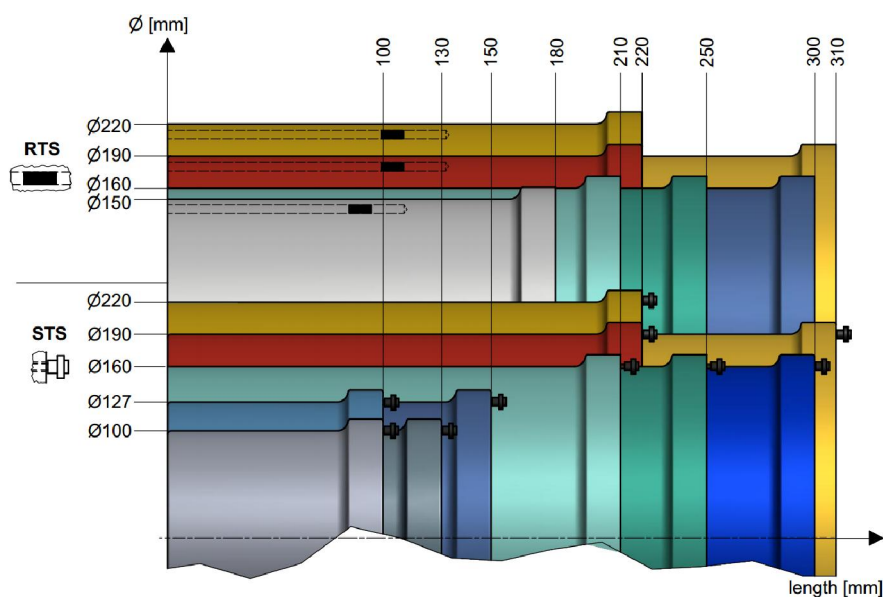
Advantages

- Accurate surface temperature (for consistent yarn quality)
- High speed range
- Inexpensive
- Robust, simple modular design with installation from the front
- Low maintenance
- All electrical connections with “plug-in” facility
- No system balancing (roll exchange without rebalancing)
- No additional lubrication (lifetime bearings)
- Integrated cooling without additional cooling systems (water, oil mist, etc.)
- Low speed versions available (with gearbox, down to <5 m/min)



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Standard Dimensions



Brief Technical Specification

Yarn data	denier [max dtex]	8000 (depending on process conditions and godet size)
Process data	temperature [max °C]	60 to 250 (standard)
	speed [max m/min]	6500 (depending on roll size)
Godet data	diameter [mm]	from 100 to 220
	length [mm]	from 100 to 310
	heater type	induction
	supply voltage [V]	230 / 400
	installed power [W]	up to 10000 (depending on process conditions and godet size)
Other dimensions		available according to customer request